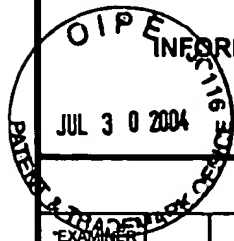


<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin-right: 10px; text-align: center;"> O I P E JUL 30 2004 PATENT &amp; TRADEMARK OFFICE 911 </div> <div> <b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i> </div> </div>				ATTY DOCKET NO. 57273 (47126)		SERIAL NO. 09/555,986		
				Applicant(s): G. CEVC				
				FILING August 17, 2000		GROUP 1615		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
lu	AA	5,607,692	04/04/1997	Ribier et al.	424	450		
	AB	5,958,379	28/09/1999	Regenold et al.	424	47		
	AC	4,911,928	27/03/1990	Wallach	424	450		
	AD	5,322,685	21/06/1994	Nakagawa et al.	424	78.03		
	AE	5,238,613	24/08/1993	Anderson	264	22		
	AF	Re. 33,273	24/07/1990	Speaker	210	639		
	AG	4,619,794	28/10/1986	Hauser	264	4.1		
	AH	4,954,345	04/09/1990	Müller	424	450		
	AI	4,937,078	26/06/1990	Mezei et al.	424	450		
	AJ	4,921,706	01/05/1990	Roberts et al.	424	450		
AK	5,741,515	21/04/1998	Ciceri et al.	424	450			
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
lu	BA	07-324029	12.12.1995	JP	—	—		
	BB	0 393 707	20.04.1990	EP	—	—		
	BC	1 143 656	20.04.1990	CA	—	—		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
lu	CA	G. Ceve et al., Transdermal drug carriers: basic properties, optimization and transfer efficiency in the case of epicutaneously applied peptides, <i>J. Contr. Rel.</i> , 36, pp. 3-16, 1995						
lu	CB	S. Yuan, et al., Cationic Liposome and Gene Transfer, <i>Progress in Physiological Science</i> , 28(2), pp. 163-165, 1997						
EXAMINER <div style="text-align: center;">Kshu</div>				DATE CONSIDERED 12/19/02				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

57273 (47126)

SERIAL NO.

09/555,986

Applicant(s): G. CEVC

FILING

August 17, 2000

GROUP

1615

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BD		61-271204	01.12.1986	JP				
BE		724218	17.10.1996	AU				
BF		0 152 379	11.02.85	EP				
BG		0 088 046	11.02.1983	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

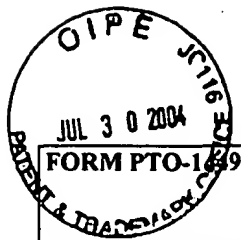

EXAMINER

ksh

DATE CONSIDERED

12/19/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1639

## INFORMATION DISCLOSURE STATEMENT

DOCKET NO:

57273 (47126)

SERIAL NO.:

09/555,986

APPLICANT: G. CEVC

FILING DATE:

August 17, 2000

GROUP NO.

1615

## UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
<i>lv</i>	BH	WO 98/30215	16.07.1998	PCT	—	—	
	BI	WO 88/07362	06.10.1988	PCT	—	—	
	BJ	WO 98/06750	19.02.1998	PCT	—	—	
	BK	WO 91/04013	04.04.1991	PCT	—	—	
	BL	WO 92/05771	16.04.1992	PCT	—	—	
	BM	WO 93/19736	14.10.1993	PCT	—	—	
<i>lv</i>	BN	WO 93/19737	14.10.1993	PCT	—	—	

EXAMINER:

DATE:

52/15/05



FORM PTO-1449

DOCKET NO:

57273 (47126)

SERIAL NO.:

09/555,986

## INFORMATION DISCLOSURE STATEMENT

APPLICANT: G. CEVC

FILING DATE:

August 17, 2000

GROUP NO.

1615

## UNITED STATES PATENT DOCUMENTS

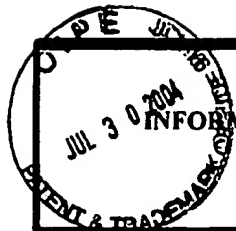
EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
<i>lu</i>	BO WO 90/09782	07.09.1990	PCT			
	BP WO 87/01938	09.04.1987	PCT			
	BQ 4,447,287	07.11.1996	DE			
	BR 3,713,494	29.10.1987	DE			
	BS 3,016,976	13.11.1980	DE			
	BT 1,289,420	24.09.1991	CA			
	BU 1,740,283	28.07.1983	AU			
	BV 0,674,913	04.10.1995	EP			
	BW 0,704,206	03.04.1996	EP			
	BX 0,475,160	18.03.1992	EP			
	BY 0,707,847	24.04.1996	EP			
	BZ 0,280,492	31.08.1988	EP			
	BAA 0,102,324	07.03.1984	EP			
	BBB 0,224,837	24.11.1986	EP			
	BCC 0,211,647	25.02.1987	EP			
<i>lu</i>	BDD 0,220,797	06.05.1987	EP			

EXAMINER:

DATE:



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

57273 (47126)

Application Number

09/555,986

Applicant(s)

G. CEVC

Filing Date

August 17, 2000

Group Art Unit

1615

\*EXAMINER  
INITIAL

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CC

G. Cevc, Transfersomes, Liposomes and Other Lipid Suspensions on the Skin: Permeation Enhancement, Vesicle Penetration, and Transdermal Drug Delivery, *Crit. Rev. Ther. Drug Carrier Syst.*, 13(3&4), pp. 257-388, 1996

CD

T. Henmi, et al., "Application of an Oily Gel Formed by Hydrogenated Soybean Phospholipids as a Percutaneous Absorption-Type Ointment Base," *Chem. Pharm. Bull.*, 42(3), pp. 651-655, 1994

CE

Benner, "The Human Body, The Wonderwork of the Human Body, Structure, Functions, Interactions, Processes and Mechanisms," Weltbild GmbH Augsburg (1995)

CF

Serva, FEINBIOCHEMICA FUR FORSCHUNG for *Serva Feinbiochemica GmbH & Co.* (1986/1987)

CG

Clark, J.M., Jr., "Experimental Biochemistry" Biochemistry Division, Department of Chemistry, University of Illinois, pp. 47-48

CH

Patel, H.M., "Liposomes as a Controlled-release System" Biomedical Society Transactions 609th Meeting, Leeds, pp.513-516

CI

Fieser, L.F., et al. "Organische Chemie" *Hans Ruprecht Hensel, 2nd revised edition, Verlag Chemie GmbH, Weinheim/Bergstr* (1968)

CJ

Fluka Chemika-BioChemika Catalogue 16 (1988/89)

CK

Roeding, J., "Liposomes and Niosomes in Pharmacy and Cosmetic State of the Art Prospects, Techniques of Visualizing Vesicular Systems, Interaction of Liposomes with the Skin" *Training Course No. 105 from May 14 to 16, 1990, MARITIM Hotel Nurnberg, Frauentorgraben 11, 8500 Nurenbwerg*

CL

L. Lobbbecke, et al., "Effects of Short-Chain Alcohols On the Phase Behavior And Interdigitation Of Phosphatidylcholine Bilayer Membranes," *Biochimica et Biophysica Acta*, 1237, pp. 59-69, 1995

CM

R. Singh, et al., "Liposomally Encapsulated Diclofenac For Sonophoresis Induced Systemic Delivery," *J. Microencapsulation*, Vol. 12, No. 2, pp. 149-154, 1995

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


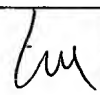
OIPE 116  
 JUL 30 2004  
 PATENT & TRADEMARK OFFICE


# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional) <b>57273 (47126)</b>		Application Number <b>09/555,986</b>
Applicant(s) <b>G. CEVC</b>		
Filing Date <b>August 17, 2000</b>		Group Art Unit <b>1615</b>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

INITIAL		
	CN	M. Foldvari, et al., "Dermal Drug Delivery by Liposome Encapsulation: Clinical and Electron Microscopic Studies," <i>J. Microencapsulation</i> , Vol. 7, No. 4, pp. 479-489, 1990
	CO	M. Foldari, "In Vitro cutaneous and Percutaneous Delivery and in Vivo Efficacy of Tetracaine from Liposomal and Conventional Vehicles," <i>Pharmaceutical Research</i> , Vol. 11, No. 11, 1994
	CP	M. Foldari, "Effect of Vehicle on Topical Liposomal Drug Delivery: Petrolatum Bases," <i>J. Microencapsulation</i> , Vol. 13, No. 5, pp. 589-600, 1996
	CQ	M.E. Planas, et al., "Noninvasive Percutaneous Induction of Topical Analgesia by a New Type of Drug Carrier, and Prolongation of Local Pain Insensitivity by Anesthetic Liposomes," <i>Anesth. Analg.</i> , 75, pp. 615-621, 1992
	CR	H. Peters, et al., "Pharmacodynamics of a Liposomal Preparation for Local Anaesthesia," <i>Arzneim.-Forsch./Drug Res.</i> , 45(II), Nr. 12, 1995
	CS	I. Stoye, et al., "Transformation of a Liposomal Dispersion Containing Ibuprofen Lysinate and Phospholipids into Mixed Micelles - Physico-chemical Characterization and Influence on Drug Permeation through Excised Human Stratum Corneum," <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 46, pp. 191-200, 1998
	CT	J. Schramlova, et al., "The Effect of an Antiphlogistic Incorporated in Liposomes on Experimentally Induced Inflammation," <i>Folia Biologica (Praha)</i> , 43, pp. 195-199, 1997
	CU	G. Cevc, "Drug Delivery Across the Skin," <i>Exp. Opin. Invest. Drugs</i> , 6(12), pp. 1887-1937, 1997

EXAMINER 	DATE CONSIDERED <b>12/19/05</b>
---	------------------------------------

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT	DOCKET NO: 57273 (47126)	SERIAL NO.: 09/555,986
	APPLICANT: G. CEVC	
	FILING DATE: August 17, 2000	GROUP NO. 1615

**UNITED STATES PATENT DOCUMENTS**

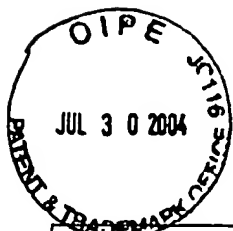
EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

**OTHER DOCUMENTS**

CV	G. CEVC et al., Transfersomes-mediated transepidermal delivery improves the regio-specificity and biological activity of corticosteroids in vivo, <i>Journal of Controlled Release</i> 45 (1997) 211-226
CW	V.M. KNEPP et al., CONTROLLED DRUG RELEASE FROM A NOVEL LIPOSOMAL DELIVERY SYSTEM II. TRANSDERMAL DELIVERY CHARACTERISTICS," <i>Journal of Controlled Release</i> , 12 (1990) March, No. 1, Amsterdam, NL, pp. 25-30
CX	C.E. Price, "A REVIEW OF THE FACTORS INFLUENCING THE PENETRATION OF PESTICIDES THROUGH PLANT LEAVES" on I.C.I. Ltd., Plant Protection Division, Jealott's Hill Research Station, Bracknell, Berkshire RG12 6EY, U.K., pp. 237-252
CY	K. Karzel and R. K. Liedtke, "MECHANISMEN TRANSKUTANER RESORPTION" on <i>Grandlagen/Basics</i> , pp. 1487-1491
CZ	Michael Mezei, "LIPOSOMES AS A SKIN DRUG DELIVERY SYSTEM" 1985 Elsevier Science Publishers B.V. (Biomedical Division), pp. 345-358
CAA	Adrienn Gesztes and Michael Mezei, "TOPICAL ANESTHESIA OF THE SKIN BY LIPOSOME-ENCAPSULATED TETRACAINE" on <i>Anesth Analg</i> 1988; 67: pp. 1079-81
CBB	A. Helenius, et al, "SOLUBILIZATION OF MEMBRANES BY DETERGENTS," <i>Biochimica et Biophysica Acta</i> , 415 (1975) 29-79
CCC	Phillip G. Green, et al., "IN VITRO AND IN VIVO ENHANCEMENT OF SKIN PERMEATION WITH OLEIC AND LAURIC ACIDS" on <i>International Journal of Pharmaceutics</i> , 48 (1988), pp. 103-111
CDD	Guia M. Golden et al., "ROLE OF STRATUM CORNEUM LIPID FLUIDITY IN TRANSDERMAL DRUG FLUX" on <i>Journal of Pharmaceutical Sciences</i> , Vol. 76, No. 1, January 1987, American Pharmaceutical Association, pp. 25-28
CEE	Bruce J. Aungst et al., "ENHANCEMENT OF NALOXONE PENETRATION THROUGH HUMAN SKIN IN VITRO USING FATTY ACIDS, FATTY ALCOHOLS, SURFACTANTS, SULFOXIDES AND AMIDES" on <i>International Journal of Pharmaceutics</i> , 33 (1986) pp. 225-234



FORM PTO-1449		DOCKET NO: 57273 (47126)		SERIAL NO.: 09/555,986		
INFORMATION DISCLOSURE STATEMENT		APPLICANT: G. CEVC				
		FILING DATE: August 17, 2000		GROUP NO. 1615		
UNITED STATES PATENT DOCUMENTS						
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS	TRANSLATION YES/NO
OTHER DOCUMENTS						
lin	CFF	Ronald R. Burnette et al., "CHARACTERIZATION OF THE PERMSELECTIVE PROPERTIES OF EXCISED HUMAN SKIN DURING LONTOPHORESIS" on <i>Journal of Pharmaceutical Sciences</i> , Vol. 76, No. 10, October 1987, American Pharmaceutical Association, pp. 765-773				
	CGG	E.C. Katoulis et al., "EFFICACY OF A NEW NEEDLELESS INSULIN DELIVERY SYSTEM MONITORING OF BLOOD GLUCOSE FLUCTUATIONS AND FREE INSULIN LEVELS" on <i>International Journal of Artificial Organs</i> , Vol. 12, No. 5, 1989, pp. 333-338				
	CHH	Ovals Siddiqui et al., "NONPARENTAL ADMINISTRATION OF PEPTIDE AND PROTEIN DRUGS" on <i>CRC Critical Reviews in Therapeutic Drug Carrier Systems</i> , Volume 3, Issue 3, pp. 195-208				
	CII	Cevc, G. et al., "Ultraflexible vesicles, Transfersomes, have an extremely low pore penetration resistance and transport therapeutic amounts of insulin across the intact mammalian skin," <i>Biochimica et Biophysica Acta</i> . 1368 pp. 201-215 (1998)				
	CJJ	Cevc, G., "Material Transport Across Permeability Barriers by Means of Lipid Vesicles," <i>Handbook of Biological Physics</i> , Vol. 1, pp. 465-490 (1995)				
	CKK	Mayer, L.D. et al., "Vesicles of variables sizes produced by a rapid extrusion procedure," <i>Biochimica et Biophysica Acta</i> , 858 pp. 161-165 (1986)				
	CLL	Patel, H.M. et al., "ORAL ADMINISTRATION OF INSULIN BY ENCAPSULATION WITHIN LIPOSOMES," <i>FEBS LETTERS</i> , 62(1):60-63 (February 1976)				
	CMM	Schreier, H., "Liposomes – A Novel Drug Carrier, I. Phospholipids; Production and Characterization of Liposomes; II. Destiny of liposomes in vivo; use in therapy," <i>Pharmazie in unserer Zeit</i> , No. 4 (1982)				
	CNN	Beyer, C. et al., "Micro Emulsions" <i>Pharmazie in unserer Zeit</i> , No. 2 (1983)				
lv	COO	Lichtenberg, D. et al., "SOLUBILIZATION OF PHOSPHOLIPIDS BY DETERGENTS STRUCTURAL AND KINETIC ASPECTS" <i>Biochimica et Biophysica Acta</i> , 737 pp. 285-304 (1983)				
EXAMINER:		Krk		12/19/05		





FORM PTO-1449		DOCKET NO: 57273 (47126)		SERIAL NO.: 09/555,986			
INFORMATION DISCLOSURE STATEMENT		APPLICANT: G. CEVC					
		FILING DATE: August 17, 2000		GROUP NO. 1615			
UNITED STATES PATENT DOCUMENTS							
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
OTHER DOCUMENTS							
his	CPP	Lasch, J. et al., "Interactions of external lipids (lipids vesicles) with the skin" <i>Journal of Liposome Research</i> , 5(3) pp. 543-569 (1995)					
	CQQ	Berger, M., "Oral Insulin 1922-1992: The History of Continuous Ambition and Failure" Heinrich-Heine-University, Dusseldorf, Germany					
	CRR	Cevc. G. et al., "The skin: a pathway for systemic treatment with patches and lipid-based agent carriers" <i>Advanced Drug Delivery Reviews</i> 18 pp. 349-378 (1996)					
	CSS	M.L. Jackson, et al., "SOLUBILIZATION OF PHOSPHATIDYLCHOLINE BILAYERS BY OCTYL GLUCOSIDE," <i>biochemistry</i> , 1982, 21, 4576-4582					
	CTT	P. Vinson, et al., "VESICLE-MICELLE TRANSITION OF PHOSPHATIDYLCHOLINE AND OCTYL GLUCOSIDE ELUCIDATED BY CRYO-TRANSMISSION ELE TRON MICROSCOPY," <i>Biophys. J., Biophysical Society</i> , Volume 56 October 1989 669-681					
	CUU	K. Edwards, et al., "EFFECTS OF TRITON X-100 ON SONICATED LECITHIN VESICLES," <i>Langmuir</i> , Vol. 5, No. 2, 1989 pp. 473-478					
	CVV	A. Brendzel, et al., "EFFECTS OF LIPID-SOLUBLE SUBSTANCES ON THE THERMOTROPIC PROPERTIES OF LIPOSOME FILTRATION," <i>Biochimica et Biophysica Acta</i> , 601 (1980) 260-270					
mu	CWW	G. Blume, et al., "DRUG-CARRIER AND STABILITY PROPERTIES OF THE LONG-LIVED LIPID VESICLES, CRYPTOSOMES, IN VITRO AND IN VIVO," <i>Journal of Liposome Research</i> , 2(3), 355-368 (1992)					
EXAMINER:				DATE:			
Kuhn				12/19/08			

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.:  
500.1011SERIAL NO.:  
09/555,986

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): Gregor CEVC

FILING DATE:  
August 17, 2000GROUP:  
1615

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>lu</i>	AC	2 0 5 2 1 6 4	9/26/92	Canada	9	127	X	
	AD	9 2 0 3 1 2 2	03/5/92	WO	9	127		X German
	AE	9 8 1 7 2 5 5	4/30/88	WO	9	127		X German
<i>lu</i>	AF	9 8 3 3 4 8 3	8/6/98	WO	9	127	X	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AJ	
	AK	
	AL	
	AM	
	AN	

EXAMINER

*Kuh*

DATE CONSIDERED

*12/17/05*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and note this form with next communication to applicant.